State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-4-194

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

NAVISTAR INTERNATIONAL TRANSPORTATION CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the following 1997 model-year Navistar International Transportation Corporation diesel-cycle engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Diesel

Engine Family		Displacement (Cubic Inches)	Exhaust Emission Control Systems and Special Features
VNV530D8DARA	8.7	(530)	Turbocharger Charge Air Cooler Engine Control Module

Engine models and codes are listed on attachments.

The following are the certification exhaust emission standards for this engine family in grams per brake horsepower-hour:

<u>Hydrocarbons</u>	Carbon <u>Monoxide</u>	Nitrogen <u>Oxides</u>	<u>Particulates</u>
1.3	15.5	5.0	0.10

The following are the certification exhaust emission values for this engine family in grams per brake horsepower-hour:

Engine <u>Family</u>	<u>Hydrocarbons</u>	Carbon <u>Monoxide</u>	Nitrogen <u>Oxides</u>	<u>Particulates</u>
VNV530D8DARA	0.2	1.1	4.8	0.06

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this 30 day of October 1996.

B. Summerfield, Chief

Mobile Source Operations Division

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1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL-STANDARD ENGINES

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		sportation Corp.	Engine Family	VNV530D8DARA (530 E)	
Displacement:	8.7 /	Liters	530 /	Cubic Inches	
Ignition: Com	pression X	Compression with Glow Plug	g	Spark	
Fuel Type(s)	Dedicated X Flex-Fue	Dual-Fuel Bi-F	uel Diesel	X CNG	
1	LNG LPG	M85 M100	Other (sp	ecify)	
Diesel Cert Fuel:	13 CCR 2282	40 CFR 86.1313-90	40 C	FR 86.1313-94 <u>X</u>	
Maximum Rated	Power: 275 I	HP @ 2000 RP	М	Engine Configuration1-6	
Exhaust ECS (in	clude. MFI, TC, CAC):	EM DI TC CAC EC			
		(Use abbreviations per	SAE J1930 SEP9	()	

	Engine Mode (Eng. Code)	Rated HP @ RPM	Fuel Rate @ Rated HP mm^3 / stroke (lbs/hr)	Fuel Pump & Injector Part No.	ECM / PCM Part No.	EGR Valve Part No.	PTOX / Catalytic Converter Part No.
w	A275	275 @ 2000	154.0 (103.2)	Injectors 1824741CI	ECM 1807404C1		140.
	AF275	275 @ 2000	154.0 (103.2)	α	1807405C1		
	AL275	275 @ 2000	154.0 (103.2)	66	ч		
	A250	250 @ 2000	143.0 (95.8)	66	ζζ		
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Date Issued: 9/12/96

Revisions:

1997^17,pp16

17.01-42	530E	Med